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Inventor Information for 10/811977

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[Appln Info](#) [Contents](#) [Petition Info](#) [Atty/Agent Info](#) [Continuity/Reexam](#) [Foreign Data](#) [Inventor](#)

Search Another: Application# or Patent#

PCT / / or PG PUBS #

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To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

US 200602058 91 A1	200609 14	Thermosetting resin composition, multilayer body using same, and circuit board	525/390		Tanaka; Shigeru et al.
US 200602052 87 A1	200609 14	WIRE PRESS- CLAMPING METHOD	439/852		TAKAYAM A; Tsutomu
US 200601944 69 A1	200608 31	Lock Connector	439/357		Miyakawa; Tomoyuki et al.
US 200601772 43 A1	200608 10	Image forming apparatus	399/267		Tanaka; Shigeru
US 200601697 42 A1	200608 03	Wire ultrasonic bonding method and wire ultrasonic bonding apparatus	228/4.5	228/1.1; 228/180.5	Fujimoto; Kei et al.
US 200601411 06 A1	200606 29	Quality control method for article and oxygen detecting agent for use therein	426/231		Kodama; Ryuichi et al.
US 200601282 23 A1	200606 15	Shielded cable- grounding structure	439/610		Asakura; Nobuyuki et al.
US 200601217 58 A1	200606 08	METHOD OF GROUNDING SHIELDED WIRE AND STRUCTURE FOR GROUNDING SHIELDED WIRE	439/98		Asakura; Nobuyuki et al.
US 200601156 70 A1	200606 01	Thermoplastic polyimide resin film, multilayer body and method for manufacturing printed wiring board composed of same	428/615	29/830; 29/846	Tanaka; Shigeru et al.
US 200600686 53 A1	200603 30	Terminal	439/877		Sakaguchi; Tadahisa et al.
US 200600579 04 A1	200603 16	Jointing sleeve component and joint electric wire	439/877		Sakaguchi; Tadahisa et al.
US	200603	Method of	439/874		Asakura;

200600579 03 A1	16	connecting and structure of connecting electric wire and connection terminal			Nobuyuki et al.
US 200600489 63 A1	200603 09	Laminate, printed circuit board, and preparing method thereof	174/393	428/458; 428/626	Nishinaka; Masaru et al.
US 200600465 51 A1	200603 02	Connector	439/282		Ikeya; Kenichi et al.
US 200600389 20 A1	200602 23	Image signal processing apparatus, image signal processing method, program for practicing that method, and computer-readable medium in which that program has been recorded	348/561		Kondo; Tetsujiro et al.
US 200600294 32 A1	200602 09	Developing apparatus	399/254		Arimoto; Kota et al.
US 200600294 31 A1	200602 09	Developing apparatus	399/254	399/267	Tanaka; Shigeru et al.
US 200600144 14 A1	200601 19	Lock structure of connector	439/357		Sakamoto; Nobuyuki et al.
US 200600083 00 A1	200601 12	Developing apparatus and image forming apparatus having the same	399/269		Tanaka; Shigeru
US 200502759 09 A1	200512 15	Image processing for correcting defects of read image	358/509		Takayama, Tsutomu et al.
US 200502704 16 A1	200512 08	Device and method for producing coefficient seed data used for format conversion, and information-providing medium	348/441	345/698	Kondo, Tetsujiro et al.

		therefore			
US 200502540 77 A1	200511 17	Image processing system, image processing apparatus, image processing method, and storage medium thereof	358/1.9	345/690; 358/519; 358/521	Kinumura, Kengo et al.
US 200502503 56 A1	200511 10	Press-fit terminal and circuit board module using the same	439/82		Matsumura, Kaoru et al.
US 200502297 56 A1	200510 20	Method and apparatus for estimating a life-span of a cutter	83/13	83/167; 83/455; 83/487	Tanaka, Shigeru et al.
US 200502275 50 A1	200510 13	Wire end portion-press fastening structure	439/851		Takayama, Tsutomu
US 200502275 49 A1	200510 13	Wire press-clamping method	439/851		Takayama, Tsutomu
US 200502171 08 A1	200510 06	Method and apparatus of determining acceptability of press contact terminal	29/751	29/747	Takayama, Tsutomu et al.
US 200501625 50 A1	200507 28	Information signal processing apparatus, picture information converting apparatus, and picture displaying apparatus	348/458		Kondo, Tetsujiro et al.
US 200501429 39 A1	200506 30	Connector	439/595		Tanaka, Shigeru et al.
US 200501408 24 A1	200506 30	Apparatus and method for processing informational signal	348/441	348/458	Kondo, Tetsujiro et al.
US 200501284 93 A1	200506 16	Memory controller, memory control method, rate conversion	358/1.2	358/1.9	Nemoto, Kohtaro et al.

		apparatus, rate conversion method, image-signal-processing apparatus, image-signal-processing method, and program for executing each of those methods			
US 200501193 81 A1	200506 02	Thermosetting resin composition and laminates and circuit board substrates made by using the same	524/196		Tanaka, Shigeru et al.
US 200500964 31 A1	200505 05	Transparent film	525/178		Fujii, Sadao et al.
US 200500696 28 A1	200503 31	Powder composition	426/658		Goto, Yukio et al.
US 200500507 25 A1	200503 10	Method of connecting terminal to wire	29/863		Kuwayama, Yasumichi et al.
US 200500376 77 A1	200502 17	Method and structure for connecting a terminal with a wire	439/877		Kuwayama, Yasumichi et al.
US 200402649 00 A1	200412 30	Optical fiber composite and optical fiber cable and production method thereof	385/123		Nishimura, Masayuki et al.
US 200402431 67 A1	200412 02	Specially shaped balloon device for use in surgery and method of use	606/190		Tanaka, Shigeru et al.
US 200402382 01 A1	200412 02	Water cutoff structure of covered wire	174/92		Asakura, Nobuyuki et al.
US 200401875 96 A1	200409 30	Method for evaluating a welded part	73/850		Ichikawa, Hiroshi et al.
US 200401765	200409 09	Resin composition	524/514	525/419	Shimo-Ohsako,

26 A1					Kanji et al.
US 200401637 29 A1	200408 26	Water cutoff structure of covered wire	141/129		Ide, Tetsuro et al.
US 200401575 04 A1	200408 12	Press-clamping terminal	439/877		Fujimoto, Kei et al.
US 200401426 07 A1	200407 22	Method of connecting and structure of connecting electric wire and connection terminal	439/877		Asakura, Nobuyuki et al.
US 200401387 02 A1	200407 15	Balloon cannula with over-center clamp	606/213		Peartree, Kenneth et al.
US 200401265 98 A1	200407 01	Aluminum nitride sintered body and substrate for electronic devices	428/469	257/E23.00 9; 428/698; 501/98.5	Tanaka, Shigeru et al.
US 200400888 57 A1	200405 13	Method of joining wire	29/871	29/868	Fujimoto, Kei et al.
US 200400530 64 A1	200403 18	Biaxially oriented polypropylene film	428/500	428/521	Masuda, Jun'ich i et al.
US 200400401 50 A1	200403 04	Method and structure for connecting a terminal with a wire	29/857		Kuwayama, Yasumichi et al.
US 200400294 54 A1	200402 12	Method of connecting wire and terminal fitting	439/747	29/761; 439/889	Onuma, Masanori et al.
US 200400133 95 A1	200401 22	Optical device and a making method thereof	385/146	385/135; 385/141; 385/147	Koyano, Yasushi et al.
US 200302268 23 A1	200312 11	Welding terminal and welding apparatus for welding the same	219/56.1		Fujimoto, Kei et al.
US 200302022 25 A1	200310 30	Image reading apparatus	358/506	358/509	Fukawa, Kimihiko et al.
US 200301954 36 A1	200310 16	Device for biopsy of tumors	600/584		Van Bladel, Kevin H. et al.

US 200301874 72 A1	200310 02	Balloon dissection apparatus	606/190	606/192	Peartree, Kenneth A. et al.
US 200301648 96 A1	200309 04	Information signal processing device, information signal processing method, image signal processing device, image signal processing method and image displaying method using it, coefficient kind data generating device and method used therein, and computer readable medium and program	348/441	348/554; 348/581	Kondo, Tetsujiro et al.
US 200301429 38 A1	200307 31	Coiled optical assembly and fabricating method for the same	385/123	385/135	Koyano, Yasushi et al.
US 200301423 71 A1	200307 31	Image signal correction light source that can cope with dust and scratch on transparent document, and its control	358/475	358/487; 358/506; 358/509	Hanabusa, Mitsugu et al.
US 200301330 40 A1	200307 17	Information signal processing device, information signal processing method, image signal processing device and image display device using it, coefficient type data creating device used therein and creating method, coefficient data creating device and creating method, and information	348/441	348/458; 348/554	Konodo, Tetsujiro et al.

		providing medium			
US 200301330 39 A1	200307 17	Information signal processing device, information signal processing method, image signal processing device and image display device using it, coefficient type data creating device used therein and creating method, and information providing medium	348/441	348/458; 348/554	Kondo, Tetsujiro et al.
US 200301242 28 A1	200307 03	Coating agent and coated powder	426/99		Goto, Yukio et al.
US 200300770 57 A1	200304 24	Optical fiber and optical transmission system including the same	385/123	385/127	Kato, Takatoshi et al.
US 200300632 16 A1	200304 03	Information signal processing device, information signal processing method, image signal processing device, image display comprising the same, coefficient type data creating device and method used for the same, and information providing medium	348/441	348/581	Kondo, Tetsujiro et al.
US 200300546 84 A1	200303 20	Terminal fitting	439/397		Yamanashi, Makoto et al.
US 200300533 24 A1	200303 20	Power conversion device	363/127		Yamamoto, Hajime et al.
US 200300441 12 A1	200303 06	Dispersion-compensating module	385/27	385/37	Tsukitani, Masao et al.
US	200302	Layered film and	428/463	428/520	Hochi,

200300318 83 A1	13	packaging material			Motonori et al.
US 200300300 09 A1	200302 13	Ion beam processing apparatus and method of operating ion source therefor	250/423R		Tanaka, Shigeru et al.
US 200300225 62 A1	200301 30	Method and structure for connecting a terminal with a wire	439/877		Kuwayama, Yasumichi et al.
US 200300150 76 A1	200301 23	Method and apparatus for estimating a life- span of a cutter	83/72	83/62.1	Tanaka, Shigeru et al.
US 200300117 07 A1	200301 16	Information signal processing device, information signal processing method, image signal processing device, image display comprising the same, and information providing medium	348/441	348/581	Kondo, Tetsujiro et al.
US 200201890 95 A1	200212 19	Terminal crimping dies	29/861	29/753; 29/761; 29/838	Ito, Naoki et al.
US 200201872 21 A1	200212 12	Coating agent and coated powder	426/89		Tanaka, Shigeru et al.
US 200201808 84 A1	200212 05	Information signal processing apparatus, picture information converting apparatus, and picture displaying apparatus	348/452	348/458	Kondo, Tetsujiro et al.
US 200201681 16 A1	200211 14	Image processing for correcting defects of read image	382/275	250/201.2; 250/330; 250/338.1; 250/341.8; 250/347; 250/393; 250/559.02	Takayama, Tsutomu et al.

				; 250/559.05 ; 250/559.06 ; 382/141; 382/255; 382/321	
US 200201634 15 A1	200211 07	Wire branch processing for shielded wire	336/206		Ide, Tetsuro et al.
US 200201595 58 A1	200210 31	Preventive maintenance method and apparatus of a structural member in a reactor pressure vessel	376/305		Enomoto, Kunio et al.
US 200201578 55 A1	200210 31	Shielding for multicore shielded wire	174/84R		Ide, Tetsuro et al.
US 200201548 75 A1	200210 24	Optical fiber	385/123	385/128	Sasaoka, Eisuke et al.
US 200201387 81 A1	200209 26	File management method, program therefor, recording medium containing the program, and filemanagement apparatus for performing the method	714/1		Okuda, Hiroyuki et al.
US 200201317 39 A1	200209 19	Dispersion-compensating module	385/123	385/15; 385/27; 398/147; 398/158	Tsukitani, Masao et al.
US 200201317 33 A1	200209 19	Optical fiber composite and optical fiber cable and production method thereof	385/95	385/100; 385/123	Nishimura, Masayuki et al.
US 200201310 94 A1	200209 19	Image reading apparatus and illumination apparatus	358/509		Koshimizu, Masato et al.
US 200201310	200209 19	Photo film advancing device	355/72	355/40; 355/41;	Tsuchida, Chupei et al.

31 A1		and photo film carrier		355/75	
US 200201189 12 A1	200208 29	Optical multiplexer/demultiplexer	385/24	385/15	Katayama, Makoto et al.
US 200201169 70 A1	200208 29	Water jet peening apparatus	72/53		Hirano, Katsuhiko et al.
US 200200979 72 A1	200207 25	Optical fiber	385/124	385/123	Sasaoka, Eisuke et al.
US 200200858 00 A1	200207 04	OPTICAL MULTIPLEXER/DEMULTIPLEXER	385/24	385/37	Katayama, Makoto et al.
US 200200603 14 A1	200205 23	Tray for carrying magnetoresistive head of magnetic disk	252/502	523/468	Tanaka, Shigeru et al.
US 200200495 31 A1	200204 25	Car navigation apparatus, traffic information providing apparatus, program recording medium for car navigation apparatus, and program recording medium for traffic information providing apparatus	701/207	340/988	Tanaka, Eiichi et al.
US 200200484 11 A1	200204 25	Signal processing method, signal processing apparatus, and image reading apparatus	382/275	358/487; 382/172; 382/190; 382/266; 382/300	Takayama, Tsutomu et al.
US 200200458 42 A1	200204 18	Device for biopsy of tumors	600/584		Van Bladel, Kevin H. et al.
US 200200453 84 A1	200204 18	Connector housing and method of manufacturing the same	439/575		Yamanashi, Makoto et al.
US 200200391 10 A1	200204 04	Image processing system, image processing apparatus, image	345/690	358/519	Kinumura, Kengo et al.

		processing method, and storage medium thereof			
US 200200385 11 A1	200204 04	Method of connecting terminal to wire	29/861	29/857	Kuwayama, Yasumichi et al.
US 200200348 98 A1	200203 21	Structure and method for connecting terminal and electric wire	439/877		Kuwayama, Yasumichi et al.
US 200200313 17 A1	200203 14	Dispersion-equalizing optical fiber and optical transmission line including the same	385/123		Tsukitani, Masao et al.
US 200200224 14 A1	200202 21	Press-clamping terminal and method of examining press-clamped condition thereof	439/877		Kitagawa, Hironori et al.
US 200200166 71 A1	200202 07	Navigation apparatus	701/211	340/995.1	Shinada, Akira et al.
US 200200130 91 A1	200201 31	INSULATION DISPLACEMENT CONTACT TERMINAL	439/625		FUJIMOTO, KEI et al.
US 200200130 84 A1	200201 31	Terminal crimping method and terminal crimping apparatus	439/422		Asakura, Nobuyuki et al.
US 200200130 83 A1	200201 31	Electric connecting terminal	439/422		Kuwayama, Yasumichi et al.
US 200200125 11 A1	200201 31	Optical fiber and optical transmission system including the same	385/123		Kato, Takatoshi et al.
US 200200124 96 A1	200201 31	Optical Multiplexer/demultiplexer	385/24	385/37	Katayama, Makoto et al.
US 200100487 98 A1	200112 06	Chromatic dispersion compensating module and optical transmission system using the same	385/123	398/147	Sasaoka, Eisuke et al.

US 200100407 19 A1	200111 15	Raman amplifying control unit and optical transmission system	359/334		Okuno, Toshiaki et al.
US 200100356 52 A1	200111 01	Locking structure for connector	292/128		Wada, Yoshimi et al.
US 200100311 19 A1	200110 18	Optical fiber and optical transmission system including the same	385/123	385/127	Kato, Takatoshi et al.
US 200100196 53 A1	200109 06	Optical fiber and optical transmission system	385/127	385/123	Kato, Takatoshi et al.
US 200100188 01 A1	200109 06	Crimping device for crimping crimp pieces of a metal terminal	29/860		Kitagawa, Hironori et al.
US 200100141 94 A1	200108 16	Raman amplifier, optical transmission system and optical fiber	385/15	359/334; 398/157	Sasaoka, Eisuke et al.
US 200100087 09 A1	200107 19	TERMINAL MATERIAL AND TERMINAL	428/647	428/648; 428/675; 428/929; 439/886	ASAKURA, NOBUYUK I et al.
US 200100076 06 A1	200107 12	Silica based optical waveguide and production method therefor	385/129	385/144; 65/386	Sasaki, Takashi et al.
US 200100044 15 A1	200106 21	Optical fiber transmission line and optical cable including the same	385/123	385/100	Tanaka, Shigeru et al.
US 7088477 B2	200608 08	Image reading apparatus and illumination apparatus	358/487	358/475; 358/484; 358/506	Koshimizu; Masato et al.
US 7077712 B2	200607 18	Jointing sleeve component and joint electric wire	439/877	439/884; 439/948	Sakaguchi; Tadahisa et al.
US 7061539 B2	200606 13	Information signal processing device, information signal processing method, image signal	348/458	348/448	Kondo; Tetsujiro et al.

		processing device, image display comprising the same, and information providing medium			
US 7052318 B2	200605 30	Connector	439/595		Tanaka; Shigeru et al.
US 7048551 B2	200605 23	Wire end portion-press fastening structure	439/67	439/851	Takayama; Tsutomu
US 7044756 B1	200605 16	Method of grounding shielded wire and structure for grounding shielded wire	439/98	439/610; 439/99	Asakura; Nobuyuki et al.
US 7043131 B2	200605 09	Optical device and a making method thereof	385/136	385/128; 385/135; 385/141	Koyano; Yasushi et al.
US 7042513 B2	200605 09	Information signal processing device, information signal processing method, image signal processing device, image signal processing method and image displaying method using it, coefficient kind data generating device and method used therein, and computer readable medium and program	348/458	348/441	Kondo; Tetsujiro et al.
US 7040914 B2	200605 09	Electric connecting terminal	439/422		Kuwayama; Yasumichi et al.
US 7038729 B2	200605 02	Device and method for producing coefficient seed data used for format conversion, and information-	348/581	348/441; 348/458; 382/299	Kondo; Tetsujiro et al.

		providing medium therefore			
US 7033233 B2	200604 25	Welding terminal and welding apparatus for welding the same	439/874		Fujimoto; Kei et al.
US 7030320 B2	200604 18	Water cutoff structure of covered wire	174/84C		Asakura; Nobuyuki et al.
US 7006705 B2	200602 28	Image processing for correcting defects of read image	382/275	250/201.2; 358/451	Takayama; Tsutomu et al.
US 6999213 B2	200602 14	Image processing system, image processing apparatus, image processing method, and storage medium thereof	358/521	358/505; 358/509; 358/518; 358/519	Kinumura; Kengo et al.
US 6986288 B2	200601 17	Method for evaluating a welded part	73/850		Ichikawa; Hiroshi et al.
US 6976889 B2	200512 20	Method and structure for connecting a terminal with a wire	439/877	29/862; 29/863; 29/871; 439/427	Kuwayama; Yasumichi et al.
US 6967287 B2	200511 22	Water cutoff structure of covered wire	174/84R	29/872	Ide; Tetsuro et al.
US 6964814 B2	200511 15	Transparent film	428/423.1	264/212; 428/215; 428/220; 428/411.1; 428/424.7; 428/474.4; 525/178; 525/205; 525/207	Fujii; Sadao et al.
US 6953761 B2	200510 11	Aluminum nitride sintered body and substrate for electronic devices	501/98.4	257/E23.009; 428/469; 428/698	Tanaka; Shigeru et al.
US 6942529 B2	200509 13	Press-clamping terminal	439/886		Fujimoto; Kei et al.
US	200506	Optical fiber	385/123	385/24;	Nishimura;

6907171 B2	14	composite and optical fiber cable and production method thereof		385/95	Masayuki et al.
US 6893301 B2	200505 17	Method and structure for connecting a terminal with a wire	439/877		Kuwayama; Yasumichi et al.
US 6880240 B2	200504 19	Crimping device for crimping crimp pieces of a metal terminal	29/753	29/751; 72/409.12	Kitagawa; Hironori et al.
US 6860892 B1	200503 01	Specially shaped balloon device for use in surgery and method of use	606/190	600/201; 600/207; 604/103.07 ; 606/192	Tanaka; Shigeru et al.
US 6859595 B2	200502 22	Optical fiber and optical transmission system including the same	385/123	385/127	Kato; Takatoshi et al.
US 6856738 B2	200502 15	Optical fiber and optical transmission system	385/123	385/127	Kato; Takatoshi et al.
US 6853766 B2	200502 08	Dispersion-compensating module	385/27	385/15; 385/31; 385/37; 398/147	Tsukitani; Masao et al.
US 6813826 B2	200411 09	Terminal crimping dies	29/753	29/748; 29/750; 29/751	Ito; Naoki et al.
US 6789095 B2	200409 07	File management method, program therefore, recording medium containing the program, and file management apparatus for performing the method	707/200	707/1; 707/100	Okuda; Hiroyuki et al.
US 6782151 B2	200408 24	Raman amplifier, optical transmission system and optical fiber	385/15	385/123; 385/141; 385/39	Sasaoka; Eisuke et al.
US 6778259 B2	200408 17	Photo film advancing device having a guide	355/72	355/46; 355/50; 355/75	Tsuchida; Chukei et al.

		holder and a photo film carrier			
US 6769822 B2	200408 03	Optical fiber composite and optical fiber cable and production method thereof	385/95	385/100; 385/123; 385/24	Nishimura; Masayuki et al.
US 6744954 B1	200406 01	Submarine optical cable, optical fiber unit employed in the submarine optical cable, and method of making optical fiber unit	385/113		Tanaka; Shigeru et al.
US 6741482 B2	200405 25	Power conversion device	363/37	323/207	Yamamoto; Hajime et al.
US 6739899 B2	200405 25	Method and structure for connecting a terminal with a wire	439/427		Kuwayama; Yasumichi et al.
US 6727001 B2	200404 27	Layered film and packaging material	428/520	428/325; 428/331; 428/35.4; 428/35.9; 428/36.6; 428/36.7; 428/451	Hochi; Motonori et al.
US 6724525 B2	200404 20	Raman amplifying control unit and optical transmission system	359/334		Okuno; Toshiaki et al.
US 6711331 B2	200403 23	Optical fiber	385/123	385/128	Sasaoka; Eisuke et al.
US 6692290 B2	200402 17	Terminal fitting	439/397	439/203; 439/399; 439/449; 439/720	Yamanashi; Makoto et al.
US 6690872 B2	200402 10	Silica based optical waveguide and production method therefor	385/132	385/129; 385/130; 385/131; 385/14	Sasaki; Takashi et al.
US 6686009 B2	200402 03	Tray for carrying magnetoresistive head of magnetic	428/35.7	206/819	Tanaka; Shigeru et al.

		disk			
US 6676458 B2	200401 13	Structure and method for connecting terminal and electric wire	439/877	439/431; 439/880	Kuwayama; Yasumichi et al.
US 6674007 B2	200401 06	Shielding for multicore shielded wire	174/84R	174/94R	Ide; Tetsuro et al.
US 6669398 B2	200312 30	Locking structure for connector	403/329	403/322.4; 403/330	Wada; Yoshimi et al.
US 6657126 B2	200312 02	Wire branch processing for shielded wire	174/78	174/84R	Ide; Tetsuro et al.
US 6654684 B2	200311 25	Navigation apparatus and method that performs route guiding to a provider location	701/211		Shinada; Akira et al.
US 6650821 B1	200311 18	Optical device and a making method thereof	385/136	385/11; 385/128; 385/13; 428/375	Koyano; Yasushi et al.
US 6639962 B2	200310 28	Preventive maintenance method and apparatus of a structural member in a reactor pressure vessel	376/305	376/249; 376/260; 376/261; 376/316; 376/348; 72/53; 72/54; 72/58; 72/67	Enomoto; Kunio et al.
US 6635998 B2	200310 21	Ion beam processing apparatus and method of operating ion source therefor	315/111.81	250/423R; 250/492.3; 313/359.1; 313/362.1; 313/363.1; 315/111.61	Tanaka; Shigeru et al.
US 6633415 B1	200310 14	Image input apparatus and method for controlling the same	358/474	358/1.9; 358/3.27; 358/447; 358/461; 358/463; 358/465; 358/482;	Arafune; Shoji et al.

				358/486; 358/521; 382/275	
US 6626711 B2	200309 30	Press-clamping terminal and method of examining press- clamped condition thereof	439/877		Kitagawa; Hironori et al.
US 6619374 B1	200309 16	Apparatus for separating casting strainers	164/412	164/358	Morishita; Toshiharu et al.
US 6618532 B1	200309 09	Optical transmission line	385/123		Sasaoka; Eisuke et al.
US 6597846 B1	200307 22	Optical fiber	385/123		Fujii; Takashi et al.
US 6597737 B1	200307 22	Motion determining apparatus, method thereof, and picture information converting apparatus	375/240.12 ; 375/240.14 ; 375/240.15 ; 375/240.16 ; 375/240.17	375/240.13 ; 375/240.14 ; 375/240.15 ; 375/240.16 ; 375/240.17	Kondo; Tetsujiro et al.
US 6592602 B1	200307 15	Balloon dissection apparatus	606/170	600/204; 600/207; 604/103; 604/104; 604/96.01; 604/97.01; 606/190	Peartree; Kenneth A. et al.
US 6574404 B2	200306 03	Chromatic dispersion compensating module and optical transmission system using the same	385/123	385/15	Sasaoka; Eisuke et al.
US 6574397 B2	200306 03	Optical multiplexer/demultiplex lexer	385/46	385/37	Katayama; Makoto et al.
US 6572408 B2	200306 03	Connector housing having thin-walled portion to facilitate inspection and	439/595	439/744; 439/752	Yamanashi; Makoto et al.

		method of manufacturing the same			
US 6567189 B1	200305 20	Image reading apparatus	358/474	358/497	Takayama; Tsutomu et al.
US 6556755 B2	200304 29	Dispersion-equalizing optical fiber and optical transmission line including the same	385/123	385/127	Tsukitani; Masao et al.
US 6551255 B2	200304 22	Device for biopsy of tumors	600/584		Van Bladel; Kevin H. et al.
US 6546333 B2	200304 08	Car navigation apparatus, traffic information providing apparatus, program recording medium for car navigation apparatus, and program recording medium for traffic information providing apparatus	701/207	340/991; 340/993; 342/357.09 ; 342/357.1; 701/214	Tanaka; Eiichi et al.
US 6546180 B1	200304 08	Coiled optical assembly and fabricating method for the same	385/135	385/123; 57/204	Koyano; Yasushi et al.
US 6540694 B1	200304 01	Device for biopsy tumors	600/564		Van Bladel; Kevin H. et al.
US 6535677 B1	200303 18	Dispersion-managed optical fiber, method of manufacturing the same, optical communication system including the same and optical fiber preform therefor	385/123	385/126; 385/127	Tanaka; Shigeru et al.
US 6519991 B2	200302 18	Water jet peening apparatus	72/53	134/10; 134/30; 376/249; 376/260;	Hirano; Katsuhiko et al.

				451/39; 451/40	
US 6515426 B1	200302 04	Ion beam processing apparatus and method of operating ion source therefor	315/111.81	250/423R; 313/359.1; 313/362.1; 313/363.1; 315/111.61	Tanaka; Shigeru et al.
US 6512613 B1	200301 28	WDM transmission repeater, WDM transmission system and WDM transmission method	398/97	385/27	Tanaka; Shigeru et al.
US 6483546 B1	200211 19	Picture information converting apparatus, picture information converting method, and television receiver	348/458	348/448	Kondo; Tetsujiro et al.
US 6483545 B1	200211 19	Information signal processing apparatus, picture information converting apparatus, and picture displaying apparatus	348/448	348/458	Kondo; Tetsujiro et al.
US 6477771 B2	200211 12	Terminal crimping method and terminal crimping apparatus	29/882	29/747; 29/751; 29/753; 29/857; 29/874; 29/883	Asakura; Nobuyuki et al.
US 6473546 B2	200210 29	Optical multiplexer/demultiplexer	385/24	385/27; 385/37; 398/43	Katayama; Makoto et al.
US 6451449 B2	200209 17	Terminal material and terminal	428/615	174/74R; 174/84C; 428/646; 428/647; 428/648; 428/674; 428/675; 428/680; 439/865; 439/886	Asakura; Nobuyuki et al.

US 6425276 B1	200207 30	Water jet peening apparatus	72/53	134/10; 134/30; 376/249; 376/260; 451/39; 451/40	Hirano; Katsuhiko et al.
US 6424760 B1	200207 23	Optical multiplexer/demultiplex lexer	385/24	385/37; 398/87	Katayama; Makoto et al.
US 6421484 B2	200207 16	Optical fiber transmission line and optical cable including the same	385/100	385/123; 385/24	Tanaka; Shigeru et al.
US 6418233 B1	200207 09	Motion determining apparatus and determining method	382/107	348/413.1; 382/236	Kondo; Tetsujiro et al.
US 6415089 B2	200207 02	Optical fiber and optical transmission system including the same	385/123	385/124; 385/125; 385/126; 385/127; 385/128	Kato; Takatoshi et al.
US 6404950 B1	200206 11	Dispersion- compensating module	385/27	385/15; 385/31; 385/37; 398/158	Tsukitani; Masao et al.
US 6394834 B2	200205 28	Insulation displacement contact terminal	439/397	439/395	Fujimoto; Kei et al.
US 6345140 B1	200202 05	Optical fiber	385/123	385/124; 385/126	Sasaoka; Eisuke et al.
US 6345083 B1	200202 05	Preventive maintenance method and apparatus of a structural member in a reactor pressure vessel	376/305	376/249; 376/260; 376/308; 376/316; 72/53; 72/54	Enomoto; Kunio et al.
US 6341151 B1	200201 22	Preventive maintenance method and apparatus of a structural member in a reactor pressure vessel	376/305	376/249; 376/260; 376/261; 376/277; 376/304; 376/310; 376/316; 376/340	Enomoto; Kunio et al.
US	200201	Image forming	347/213	347/217	Tanaka;

6337705 B1	08	apparatus having a compact size			Shigeru et al.
US 6332807 B1	200112 25	Connection structure and connection method between shield electric wire and shield terminal	439/578	174/89	Asakura; Nobuyuki et al.
US 6331765 B1	200112 18	Series compensator	323/210		Yamamoto; Hajime et al.
US 6301419 B1	200110 09	Dispersion-equalizing optical fiber and optical transmission line including the same	385/123	385/127	Tsukitani; Masao et al.
US 6291771 B1	200109 18	Structure and method for connecting covered wires	174/84R	174/78; 29/872	Tanikawa; Satoshi et al.
US 6266467 B1	200107 24	Optical fiber and optical transmission system including the same	385/123	385/127	Kato; Takatoshi et al.
US 6264604 B1	200107 24	Apparatus and method for developing an anatomic space for laparoscopic procedures with laparoscopic visualization	600/207	600/201; 600/204; 604/103.07 ; 606/192	Kieturakis; Maciej J. et al.
US 6247955 B1	200106 19	Half-fitting prevention connector	439/352		Yoshida; Haruki et al.
US 6218619 B1	200104 17	Connecting structure for shielded wire and processing method therefor	174/78		Asakura; Nobuyuki et al.
US 6201833 B1	200103 13	Motion determining apparatus, method thereof, and picture information converting apparatus	375/240.12	348/401.1; 348/699	Kondo; Tetsujiro et al.
US 6190760 B1	200102 20	Biaxially oriented polypropylene film to be metallized a	428/213	428/461; 428/515; 428/516;	Nagai; Itsuo et al.

		metallized biaxially oriented polypropylene film and a laminate formed by using it		428/910	
US 6184471 B1	200102 06	Connecting structure and method for a shielded cable	174/78	439/98	Asakura; Nobuyuki et al.
US 6172488 B1	200101 09	AC transmission system with reactance compensation	323/207		Mizutani; Mami et al.
US 6171155 B1	200101 09	Female electrical terminal with a low insertion force resilient contact member	439/852	439/845	Miwa; Takeya et al.
US 6168608 B1	200101 02	Apparatus and method for developing an anatomic space for laparoscopic procedures	606/190	606/192	Echeverry; Jan M. et al.
US 6146183 A	200011 14	Lock structure	439/358		Jinno; Keishi et al.
US 6141472 A	200010 31	Optical cable and optical cable chamber element	385/105	385/104; 385/114	Ishikawa; Hiroki et al.
US 6123556 A	200009 26	Shielded cable connection structure and processing method	439/99	29/828; 29/863; 439/874	Asakura; Nobuyuki et al.
US 6121681 A	200009 19	Semiconductor device	257/723	257/636; 257/666; 257/678; 257/687; 257/694; 257/724; 257/784; 257/787; 257/E23.043; 361/728; 361/729; 361/736; 361/737; 361/748;	Tanaka; Shigeru et al.

				361/760; 361/761; 361/777	
US 6106933 A	200008 22	Transparent gas barrier biaxially oriented polypropylene film, a laminate film, and a production method thereof	428/212	427/255.31 ; 428/409; 428/461; 428/516; 428/702	Nagai; Itsuo et al.
US 6094337 A	200007 25	Polypropylene film and capacitor made by using it as a dielectric	361/311		Ueda; Takashi et al.
US 6072124 A	200006 06	Waterproof covered wire connection	174/84R	174/72C; 174/72TR	Kato; Sanae et al.
US 6015421 A	200001 18	Apparatus and method for developing an anatomic space for laparoscopic procedures	606/190	604/96.01; 606/192	Echeverry; Jan M. et al.
US 6004170 A	199912 21	Connection structure of a covered wire with resin encapsulation	439/874	174/84R; 29/872	Kato; Tetsuo et al.
US 5993502 A	199911 30	Sintered metal filters	55/487	419/2; 419/6; 55/523; 55/524; 55/DIG.30	Motoki; Ryutaro et al.
US 5967855 A	199910 19	Connection structure for shield electric cable and method of processing shield electric cable	439/681	439/99	Asakura; Nobuyuki et al.
US 5959252 A	199909 28	Covered wire connection structure	174/84R	29/872	Ide; Tetsuro et al.
US 5956087 A	199909 21	Linear image sensor	348/275	348/315	Takayama; Tsutomu et al.
US 5929384 A	199907 27	Covered wire connection structure	174/84R	174/94R	Ide; Tetsuro et al.
US 5928033 A	199907 27	Waterproof structure for conductor leading part	439/587	174/77R; 29/878	Kato; Tetsuo et al.

US 5925202 A	199907 20	Covered wire connection method and structure	156/73.2	156/73.1; 174/84R	Ide; Tetsuro et al.
US 5925156 A	199907 20	Sintered metal filters	55/487	55/523; 55/525	Motoki; Ryutaro et al.
US 5922993 A	199907 13	Covered wire connection structure	174/84R		Ide; Tetsuro et al.
US 5887686 A	199903 30	Drum brake having a vibration suppression system	188/250E	188/73.37	Tanaka; Shinichi et al.
US 5880819 A	199903 09	Photographic film loading method, photographic film conveying apparatus, and image reading apparatus	355/75	226/91; 355/40; 355/66	Tanaka; Shigeru et al.
US 5871379 A	199902 16	Butt terminal of two- part construction	439/824	439/700	Tanaka; Shigeru et al.
US 5843591 A	199812 01	Polymeric metal oxide materials and their formation and use	428/702	428/1.51; 428/209; 428/210; 428/336; 428/337; 428/384; 428/411.1; 428/432; 428/64.4; 428/917	Oishi; Tomoji et al.
US 5808944 A	199809 15	Semiconductor memory device having a defect relief arrangement	365/200	365/185.09 ; 365/236	Yoshitake; Takayuki et al.
US 5808260 A	199809 15	Method of connecting wire materials to connecting terminal	219/56.22	439/874	Asakura; Nobuyuki et al.
US RE35848 E	199807 14	X-ray CT scanner	378/16	378/20; 378/205; 378/98.2	Tanaka; Shigeru
US 5764129 A	199806 09	Ceramic resistor, production method thereof, neutral grounding resistor and circuit breaker	338/22SD	338/20; 338/204; 338/21; 338/22R	Syouji; Moritaka et al.

US 5760830 A	199806 02	Image pick-up device having switching over means, image pick- up means, monitor means, recording means, still picture display means and control means	348/220.1		Kinoshita; Takao et al.
US 5751837 A	199805 12	X-ray CT scanner system having a plurality of x-ray scanner apparatus	382/131	378/165	Watanabe; Naofumi et al.
US 5746292 A	199805 05	Disk brake device for reducing brake noise	188/73.37	188/250E	Tanaka; Shinichi et al.
US 5739496 A	199804 14	Method of connecting a wire to a terminal and an apparatus therefor	219/56.22	219/119; 219/56.1	Asakura; Nobuyuki et al.
US 5737158 A	199804 07	Magnetic head device with tape guide secondary portions molded onto tape guide primary portions of differing material	360/130.21	360/129	Tanaka; Shigeru et al.
US 5732934 A	199803 31	Apparatus for inserting a communication wire through a pipeline by air flow	254/134.4		Sano; Hiroaki et al.
US 5724222 A	199803 03	Biaxially oriented polypropylene film and a capacitor made thereof	361/311	252/567; 264/290.2; 361/314; 361/315; 361/318	Hirano; Takumi et al.
US 5722925 A	199803 03	Electrical female terminal with lock mechanism	600/453		Kameyama; Isao et al.
US 5717890 A	199802 10	Method for processing data by utilizing hierarchical cache memories and processing system with the	711/122		Ichida; Makoto et al.

		hierarchiacal cache memories			
US 5716245 A	199802 10	Female terminal	439/852	439/851	Kameyama; Isao et al.
US 5709895 A	199801 20	Process for producing flavor-containing capsule	426/96	426/103; 426/518; 426/650; 426/661; 426/89	Tanaka; Shigeru et al.
US 5703472 A	199712 30	Voltage regulator of vehicle alternator	322/28	322/36; 322/99	Aoyama; Tooru et al.
US 5694510 A	199712 02	Tub-aggregated optical cable	385/113	174/70A; 385/103; 385/104; 385/109; 385/114	Sano; Hiroaki et al.
US 5661836 A	199708 26	Optical cable and manufacturing method thereof	385/111	385/147	Sano; Hiroaki et al.
US 5660924 A	199708 26	Vacuum heat insulator	442/378	106/672; 252/62; 428/307.7; 428/308.8; 428/311.11 ; 428/312.4; 428/325; 52/404.1; 52/407.1; 52/408; 52/409	Yamaji; Tadao et al.
US 5655187 A	199708 05	Image forming apparatus for preventing discharge products from contacting a photosensitive body	399/172	250/324; 361/225; 399/171	Watanabe; Toshio et al.
US 5643642 A	199707 01	Polymeric metal oxide materials and their formation and use	428/1.6	257/E21.27 1; 257/E23.11 9; 257/E23.12 6; 349/56; 428/336; 428/702	Oishi; Tomoji et al.
US	199706	Winding device	242/332.7	242/532.7	Ohno;

5639039 A	17				Takehisa et al.
US 5633788 A	199705 27	Power converter control system	363/41	363/96	Tanaka; Shigeru et al.
US 5630822 A	199705 20	Laparoscopic tissue removal device	606/114	606/127	Hermann; George D. et al.
US 5614138 A	199703 25	Method of fabricating non-linear resistor	264/616	252/519.52 ; 501/153	Yamada; Seiichi et al.
US 5610570 A	199703 11	Voltage non-linear resistor and fabricating method thereof	338/20	252/519.52 ; 29/610.1; 338/21; 361/128	Yamada; Seiich et al.
US 5607443 A	199703 04	Expansible tunneling apparatus for creating an anatomic working space with laparoscopic observation	606/192	600/207	Kieturakis; Maciej J. et al.
US 5584122 A	199612 17	Waterproof connection method for covered wire with resin encapsulation	29/872	174/84R; 29/868	Kato; Sanae et al.
US 5535085 A	199607 09	Snubber energy recovery circuit for protecting switching devices from voltage and current	361/58	363/50; 363/55	Tanaka; Shigeru et al.
US 5528938 A	199606 25	Method and apparatus for measuring length of conduit and for diagnosing inside of conduit	73/597	324/206; 33/719; 33/757; 33/DIG.2	Sano; Hiroaki et al.
US 5505086 A	199604 09	Method and apparatus for measuring length of conduit and for diagnosing inside of conduit	73/592	324/206; 33/719; 33/757; 33/DIG.2; 73/597	Sano; Hiroaki et al.
US 5504667 A	199604 02	Power conversion system	363/37	363/39	Tanaka; Shigeru et al.

US 5499797 A	199603 19	Method for inserting a communication wire through a pipeline by air flow	254/134.4		Sano; . Hiroaki et al.
US 5477260 A	199512 19	Apparatus for reducing a level difference between image signals	348/257	348/694	Suzuki; Masao et al.
US 5473375 A	199512 05	Electronic still video camera wherein a pre-exposure period is utilized to generate control signals of integrated values of the photoelectrically converted image signal to control both exposure and color balance	348/364	348/224.1; 348/225.1; 348/227.1; 348/228.1	Takayama; Tsutomu et al.
US 5460877 A	199510 24	Polymeric metal oxide materials and their formation and use	428/336	204/157.51 ; 257/E21.24 2; 257/E21.27 1; 257/E23.11 9; 257/E23.12 6; 428/337; 428/702	Oishi; Tomoji et al.
US 5444594 A	199508 22	Snubber energy recovery circuit for protecting switching devices from voltage and current	361/58	363/50; 363/55	Tanaka; Shigeru et al.
US 5434900 A	199507 18	Computed tomography apparatus	378/15	378/207; 378/4; 378/98	Tanaka; Shigeru et al.
US 5424774 A	199506 13	Image sensing apparatus	348/222.1	348/223.1; 348/257; 348/692; 348/97	Takayama; Tsutomu et al.
US 5424555 A	199506 13	Photo film analyzer, and method and system for	250/559.02	355/41	Kimura; Tsutomu et al.

		inspecting photo film			
US 5365158 A	199411 15	Driving control apparatus for induction motor	318/806	318/807; 382/156; 706/23	Tanaka; Shigeru et al.
US 5343201 A	199408 30	A-D converter	341/200	341/138; 341/139; 341/159; 348/655	Takayama; Tsutomu et al.
US 5338233 A	199408 16	Structure for electrically connecting a terminal and a wire	439/877	439/865	Endo; Mitsuo et al.
US 5332165 A	199407 26	Transmission cable termination box, and transmission cable installation and recovering method	254/134.3R	242/556; 242/593; 385/103; 57/18	Sano; Hiroaki et al.
US 5331154 A	199407 19	Rotary encoder for detecting a rotating position of a motor	250/231.17	250/231.14 ; 396/508	Kondo; Kenichi et al.
US 5328155 A	199407 12	Method and apparatus for laying and collecting a wire	254/134.4	254/134.3FT	Sano; Hiroaki et al.
US 5313512 A	199405 17	X-ray tube device with detachable heat exchanger	378/200	378/202	Tanaka; Shigeru
US 5309247 A	199405 03	Image pick-up device	386/117	348/221.1; 348/312; 348/320; 358/909.1	Kinoshita; Takao et al.
US 5283634 A	199402 01	Luminance signal correcting method	348/234	348/254; 348/675	Yamazaki; Yasuyuki et al.
US 5274542 A	199312 28	Control device of neutral point clamped power inverter apparatus	363/96	363/132; 363/136; 363/98	Tanaka; Shigeru et al.
US 5270589 A	199312 14	Input/output buffer circuit for semiconductor integrated circuit	326/68	257/E27.06 2; 326/21; 327/537	Sawada; Kazuhiro et al.
US 5263686 A	199311 23	Method and apparatus for laying and collecting a wire	254/134.4	254/134.3FT	Sano; Hiroaki et al.
US	199311	White balance	348/655	348/223.1	Takayama;

5260774 A	09	control for still image sensing apparatus			Tsutomu
US 5255077 A	199310 19	White balance control based upon magnitude of flicker	348/226.1	348/227.1	Yamazaki; Yasuyuki et al.
US 5243552 A	199309 07	Coefficient multiplying circuit	708/625	708/319	Asakura; Nobuyuki
US 5239368 A	199308 24	High speed color balance adjusting device capable of compensating for a flickering light source	348/226.1		Suzuki; Masao et al.
US 5234556 A	199308 10	Polymeric metal oxide materials and their formation and use	204/157.51	257/E21.24 2; 257/E21.27 1; 257/E23.11 9; 257/E23.12 6; 427/493; 427/512; 427/515; 427/561; 427/567	Oishi; Tomoji et al.
US 5233678 A	199308 03	Optical fiber cable including plural multifiber optical units	385/112	385/100; 385/113; 385/114	Katurashima ; Wataru et al.
US 5226064 A	199307 06	Computerized tomographic scanning apparatus driven by rechargeable batteries	378/4	378/101; 378/102; 378/103	Yahata; Mitsuru et al.
US 5216796 A	199306 08	Method and apparatus for shortening size of slide fastener	29/408	29/770; 83/921	Tanaka; Shigeru et al.
US 5202586 A	199304 13	Sample-and-hold circuit	327/95	327/73	Hori; Masashi et al.
US 5168364 A	199212 01	Image sensing apparatus	348/230.1	348/368; 358/906	Kondo; Kenichi et al.

US 5163657 A	199211 17	Method and apparatus for laying and collecting a wire	254/134.4		Sano; Hiroaki et al.
US 5143353 A	199209 01	Method for laying optical fiber unit and apparatus therefor	254/134.3F T	254/134.4	Sano; Hiroaki et al.
US 5109456 A	199204 28	Optical fiber unit	385/100		Sano; Hiroaki et al.
US 5103469 A	199204 07	X-ray CT scanner	378/16	378/20; 378/205; 378/98.2	Tanaka; Shigeru
US 5098380 A	199203 24	Method of and apparatus for detecting an occlusion of liquid transfusion tube	604/67	128/DIG.1 3; 604/246	Aizawa; Takeshi et al.
US 5098177 A	199203 24	Optical fiber cable	385/110		Tanaka; Shigeru
US 5089890 A	199202 18	Gamma correction device	348/674	348/678	Takayama; Tsutomu
US 5079706 A	199201 07	Control system for self-propelled working vehicle including vehicle course correction means	701/23	180/168	Yamaguchi; Tetsuo et al.
US 5061356 A	199110 29	Vacuum treatment apparatus and vacuum treatment method	204/192.12	118/730; 204/298.26	Tanaka; Shigeru et al.
US 5031088 A	199107 09	Variable-voltage and variable-frequency power converter	363/71	363/136; 363/96	Tanaka; Shigeru
US 5029001 A	199107 02	NTSC compatible TV signal transmitting system for improving vertical resolution	348/447	348/571; 348/910	Tanaka; Yutaka et al.
US 5010418 A	199104 23	Image pick-up device	386/120	348/221.1; 348/248	Kinoshita; Takao et al.
US 5010390 A	199104 23	Plastic-molded semiconductor device	257/676	257/386; 257/916; 257/E23.14 4	Tanaka; Shigeru
US	199103	Control apparatus	318/800	318/808	Tadakuma;

5003243 A	26	for induction machine			Susumu et al.
US 4995069 A	199102 19	X-ray tube apparatus with protective resistors	378/200	378/101; 378/4	Tanaka; Shigeru
US 4994917 A	199102 19	Image pickup apparatus with pickup time control and variable signal suppression or clipping	348/250	348/243; 348/251; 348/252; 348/296; 348/298	Takayama; Tsutomu
US 4992877 A	199102 12	Image pickup apparatus with supervision of noise level differences between fields	348/243	348/250; 348/251; 348/910	Takayama; Tsutomu
US 4979018 A	199012 18	Semiconductor device with parallel multiplier using at least three wiring layers	708/625	257/758; 708/670	Tanaka; Shigeru
US 4972324 A	199011 20	Semiconductor integrated circuit with an improved macro cell pattern	716/8		Tanaka; Shigeru
US 4958092 A	199009 18	Integrated circuit device having row structure with clock driver at end of each row	327/297	257/E23.14 1; 257/E23.15 1; 257/E23.15 3; 326/93; 327/292; 327/565	Tanaka; Shigeru
US 4930064 A	199005 29	Phase stabilized high frequency link power converter apparatus having a wide phase controllable range	363/161	318/729; 323/207; 323/212	Tanaka; Shigeru et al.
US 4928295 A	199005 22	High-voltage generating device for use with an X-ray tube	378/104	378/111; 378/112; 378/117	Tanaka; Shigeru
US 4922334 A	199005 01	Color filter arrangement for an image pickup device	348/274		Hashimoto; Seiji et al.

		having complementary color elements which overlap at boundaries between picture elements			
US 4914683 A	199004 03	Anode driving apparatus of rotating anode X-ray tube	378/114	378/101; 378/115; 378/117	Tanaka; Shigeru
US 4910606 A	199003 20	Solid state pick-up having particular exposure and read-out control	386/120	348/220.1; 348/221.1; 386/121	Kinoshita; Takao et al.
US 4906872 A	199003 06	Integrated circuit device	327/297	257/E23.15 3; 326/41; 326/93; 716/17	Tanaka; Shigeru
US 4905136 A	199002 27	Power supplying apparatus	363/124	363/24; 363/95	Tanaka; Shigeru
US 4903610 A	199002 27	Railway carrier apparatus for semiconductor wafers	104/118	104/119; 104/96	Matsumoto; Takashi et al.
US 4902325 A	199002 20	Method for producing glass preform for optical fiber	65/424	65/31; 65/32.1; 65/427; 65/900	Kyoto; Michihisa et al.
US 4867629 A	198909 19	Dusttight storage cabinet apparatus for use in clean rooms	414/331.05	211/163; 211/41.18; 414/217; 414/940; 454/187	Iwasawa; Yoshiyuki et al.
US 4843296 A	198906 27	AC motor drive apparatus	318/800	318/801; 363/37	Tanaka; Shigeru
US 4833657 A	198905 23	Semiconductor frame buffer memory	365/230.04	345/564; 365/189.05	Tanaka; Shigeru
US 4833525 A	198905 23	High speed color balance adjusting device capable of compensating for a flickering light source	348/226.1	356/45	Suzuki; Masao et al.
US 4819259 A	198904 04	Rotary anode type x-ray apparatus	378/125	318/806; 318/807; 378/121	Tanaka; Shigeru

US 4797908 A	198901 10	Voltage-resonance type power supply circuit for X-ray tube	378/105	363/28; 378/112; 378/114	Tanaka; Shigeru et al.
US 4791601 A	198812 13	Parallel multiplier with a modified booth algorithm	708/630		Tanaka; Shigeru
US 4777059 A	198810 11	Process for producing vegetable protein foods	426/656	426/104; 426/456; 426/506; 426/802	Tanaka; Shigeru et al.
US 4768078 A	198808 30	Plastic-molded semiconductor device	257/676	257/507; 257/523; 257/E23.14 4	Tanaka; Shigeru
US 4763204 A	198808 09	Solid state image pick-up device having a shutter which is capable of still and motion picture photography	386/120	348/221.1; 358/906	Kinoshita; Takao et al.
US 4760321 A	198807 26	AC motor drive apparatus	318/809	318/729; 363/10; 363/160	Tanaka; Shigeru et al.
US 4754323 A	198806 28	Color image pickup device in which the level of a sequential color-difference signal is controlled on the basis of the level of the luminance signal	348/256	348/624; 386/10	Kaji; Toshio et al.
US 4737179 A	198804 12	Method for producing glass preform for optical fiber	65/415		Tanaka; Gotaro et al.
US 4731057 A	198803 15	Transfusion apparatus	604/153	417/474; 604/67	Tanaka; Shigeru et al.
US 4684766 A	198708 04	High voltage cable assembly having reduced stray capacitance	174/115	174/105SC ; 174/107; 174/36	Tanaka; Shigeru et al.
US 4682232 A	198707 21	Capacitor coupled circuit	348/695	348/207.99	Takayama; Tsutomu et al.

US 4681154 A	198707 21	Heat accumulating material enclosing container and heat accumulating apparatus	165/47	126/618; 126/619; 126/629; 165/10; 165/104.11 ; 47/17; 47/9	Yano; Naomichi et al.
US 4674026 A	198706 16	Delta-connected circulating current cycloconverter apparatus	363/160	318/729; 323/207	Tanaka; Shigeru
US 4673823 A	198706 16	Apparatus for operating cycloconverters in parallel fashion	307/11	307/87; 318/801; 363/10; 363/160	Tanaka; Shigeru
US 4670826 A	198706 02	Control method for cycloconverter and control apparatus therefor	363/10	323/207; 363/161	Tanaka; Shigeru
US 4665354 A	198705 12	Battery voltage regulator for vehicles	320/123	322/28; 322/99; 361/21	Sada; Takeshi et al.
US 4663702 A	198705 05	Power converter apparatus and control method thereof	363/65	363/69	Tanaka; Shigeru
US 4638350 A	198701 20	Color image sensing device	348/224.1	348/229.1	Kato; Tokuzo et al.
US 4614999 A	198609 30	High voltage pulsed power supply with time limiting nonlinear feedback	363/28	363/49; 378/106; 378/110; 378/112	Onodera; Toshihiro et al.
US 4612201 A	198609 16	Method of heating kneaded marine paste products	426/511	426/520; 426/643	Maruyama; Tutomu et al.
US 4603753 A	198608 05	Automatic running work vehicle	180/401	180/168; 56/10.2R; 56/DIG.15	Yoshimura; Shingo et al.
US 4603354 A	198607 29	Image pickup device	348/220.1	348/222.1; 348/321	Hashimoto; Seiji et al.
US 4599657 A	198607 08	Image pick-up device	386/117	348/248; 348/363; 358/906	Kaji; Toshio et al.
US 4593635 A	198606 10	Method and apparatus for sewing	112/475.16	112/104; 112/114;	Boser; Ronald J. et

		a slide fastener to fabric pieces		112/152; 112/305	al.
US 4573674 A	198603 04	Device for delivery of paper sheets for an apparatus for counting the number of paper sheets	271/118	271/119	Nogi; Hiroyoshi et al.
US 4573547 A	198603 04	Automatic running work vehicle	180/168	180/401; 180/422; 250/202; 56/10.2A	Yoshimura; Shingo et al.
US 4573184 A	198602 25	Heating circuit for a filament of an X-ray tube	378/110	363/28; 378/105	Tanaka; Shigeru et al.
US 4572973 A	198602 25	AC Current detection circuit for a rotor driving supply source of a rotating anode X-ray tube	327/78	327/190	Tanaka; Shigeru
US 4570214 A	198602 11	Reactive power control cycloconverter	363/160	318/729; 323/207	Tanaka; Shigeru
US 4565242 A	198601 21	Heat accumulating material enclosing container and heat accumulating apparatus	165/10	126/618; 126/619; 165/104.11	Yano; Naomichi et al.
US 4556212 A	198512 03	Stacker for paper sheet counting apparatus	271/315	271/187	Nogi; Hiroyoshi et al.
US 4549391 A	198510 29	Wire-like structure twisting machine	57/13	57/102; 57/15; 57/59	Toda; Yuichi et al.
US 4545453 A	198510 08	Automatic running work vehicle	180/401	56/10.2A; 56/DIG.15	Yoshimura; Shingo et al.
US 4529925 A	198507 16	Reactive power compensating cycloconverter	323/207	323/211; 363/161	Tanaka; Shigeru et al.
US 4520495 A	198505 28	Failure detection circuit for an X-ray tube	378/117	315/107; 361/87	Tanaka; Shigeru
US 4491386 A	198501 01	Optical fiber cable and process for production thereof	385/109	385/110	Negishi; Yukiyasu et al.
US	198311	Method and	363/10	323/207;	Tanaka;

4418380 A	29	apparatus for controlling the circulating current of a cycloconverter		363/161	Shigeru et al.
US 4398569 A	198308 16	Device for supporting a heald frame in a weaving loom	139/88	24/698.1; 248/340	Suzuki; Hajime et al.
US 4365076 A	198212 21	Process for the preparation of cycloalkylidenemethylphenylacetic acid derivatives	560/51	562/459	Terada; Atsusuke et al.
US 4351520 A	198209 28	Stacker apparatus for a card counting machine	271/315	271/178; 271/187	Tanaka; Shigeru
US 4336487 A	198206 22	Generation control apparatus for vehicle generators	322/99	322/28	Tanaka; Shigeru et al.
US 4306184 A	198112 15	Generation control appparatus for vehicle generators	322/99	322/28; 361/20	Iwaki; Katsutaro et al.
US 4254274 A	198103 03	Cycloalkylidenemethylphenylacetic acid derivatives and process for the preparation thereof	560/51	560/35; 562/459	Terada; Atsusuke et al.
US 4077936 A	197803 07	Liquid suspending medium for electrophoretic image display/and or recording device	523/208	106/287.1; 106/31.28; 106/31.85; 106/311; 524/462	Tanaka; Shigeru et al.
US 3942085 A	197603 02	Control apparatus of DC motors	388/829	388/921	Tadakuma; Susumu et al.
US 3584280 A	197106 08	TRANSISTOR MOTOR APPARATUS INCLUDING CURRENT ATTENUATION MEANS	318/254	318/138	Inagaki; Junpei et al.